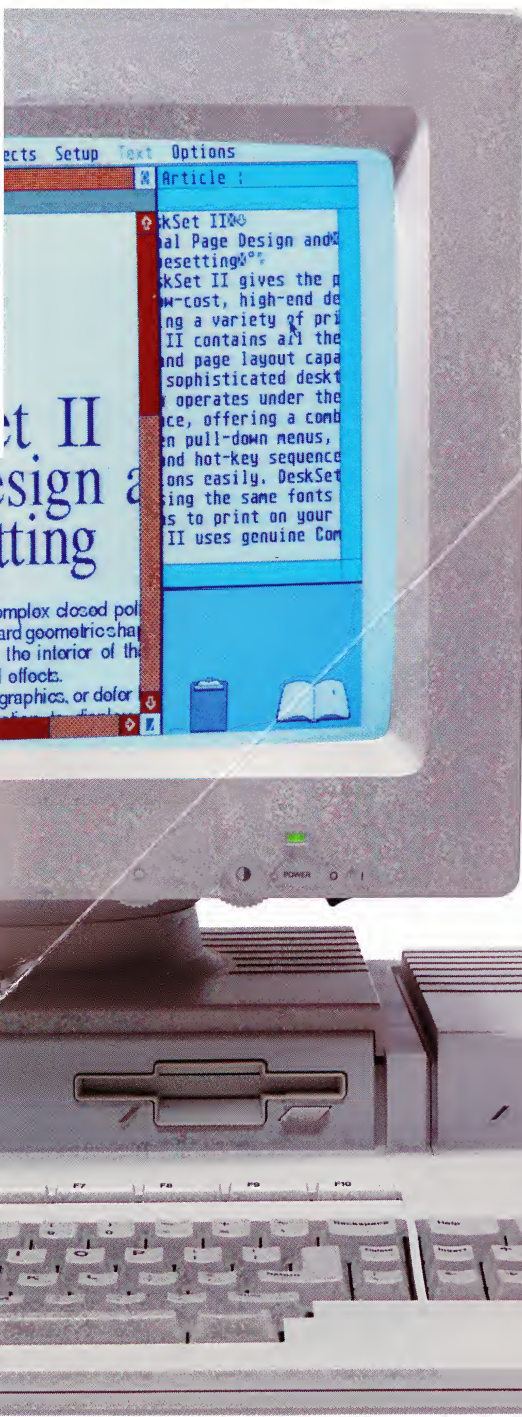


# TT030™

## Graphics Workstation



 **ATARI**®  
COMPUTER



four RS-232 serial I/O ports. One serial port can be programmed for split baud rates. Another is a programmable high speed DMA serial port you can use to connect to printers, modems, display terminals, and digitizing tablets.

The TT030 architecture also includes an industry standard VMEbus. With the addition of an expansion card, the VMEbus allows the TT to communicate with peripherals, and communications networks (such as Ethernet™). The system supports the latest revision (C.1) of the VMEbus specification. For Atari's laser printers, CD-ROM, or hard drives (including 44 MB removable cartridge drives), and IBM emulators, there is an ACSI DMA channel.

Also unique to the TT030 is a cartridge port for 128K of ROM. This slot can accommodate megabyte RAM disks, accessory packs, the Migraph™ Hand Scanner, and Spectre GCR™ Macintosh® emulation cartridges. Third-party developers for Atari computers are ingenious innovators when given such a wide spectrum of ports of opportunity.

onscreen from a palette of 4096 colors. The upper range of 640 x 480 makes for excellent graphics, color CAD, or color desktop, while the 320 x 480 mode (with 256 colors onscreen) provides top-quality graphics.

High-quality monitors coupled with the unprecedented functions of RAM-enhanced video power will bring your pulse rate up every time you boot your Atari TT030.

### The Sound of Personal Power

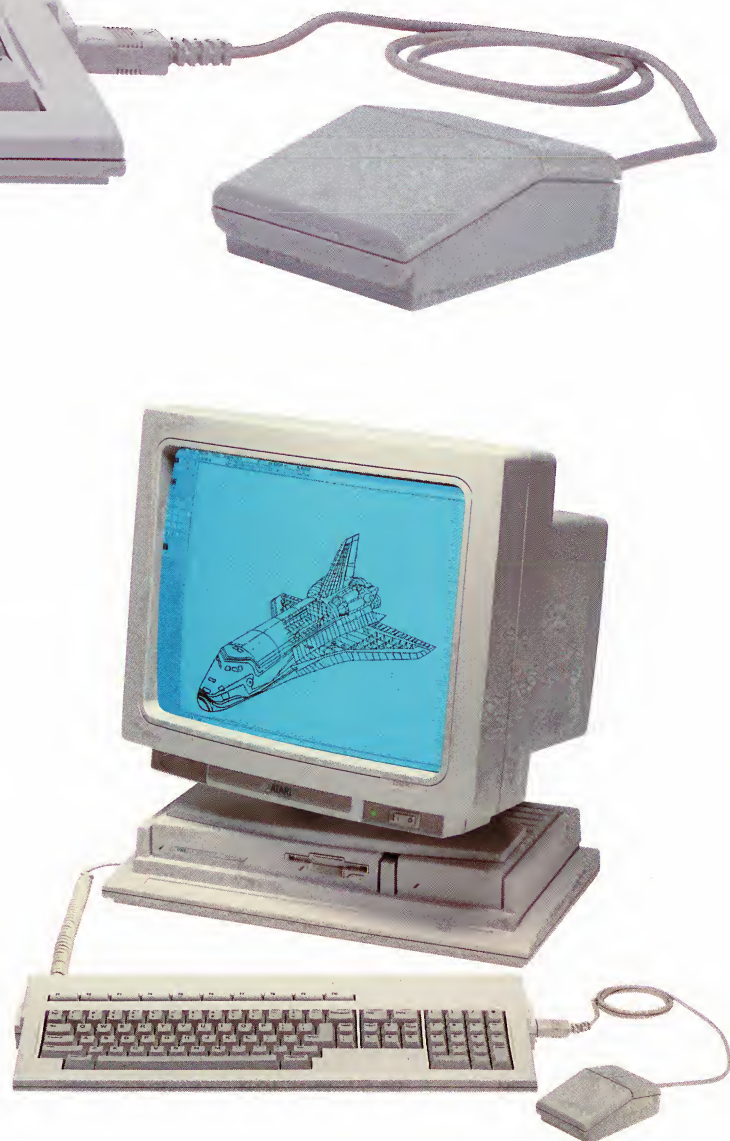
Atari computers with TOS and built-in MIDI, have been topping the charts in the music industry. Listed in the Atari fan club as enthusiastic equipment users are Madonna, Mick Fleetwood, The Pointer Sisters, Jean Michel Jarre, Tangerine Dream, Ultravox, The Beach Boys, Peter Gabriel, Oscar winner Dave Grusin, Debbie Gibson, The Moody Blues, and on and on.

The TT's DMA sound engine can play back stereo digital samples at rates up to 50 kHz. Add to this the industry's most sophisticated MIDI software, and the TT will keep you in the vanguard of digitized sound production.

### Personal Power with all the Right Connections

The Atari TT will excel in any environment, with other TTs or systems from other manufacturers due to its multitude of industry-standard ports and its IBM-compatible disk drives. The TT will be capable of running UNIX® System V.4 with an X Window System™ graphical interface for further compatibility in a network environment.

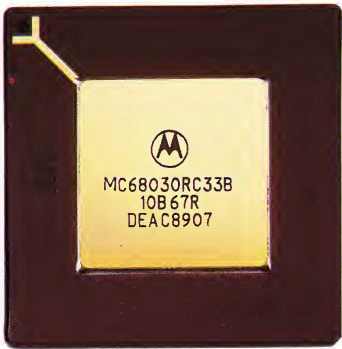
The connectivity of the TT is breathtaking. MIDI ports remain an Atari standard and a parallel I/O port for printers is *de rigueur*. For electronic communications and networking, the TT provides



## Power for Personal Performance

The Atari TT030 is fully equipped to handle the critical skills you've learned on any other machine and push the edges of the envelope of your productivity. The enhanced TOS user interface of the TT030 coupled with the 32 MHz performance of its MC68030 and MC68882 processors combine to take you to new heights of personal performance.

For scientific or engineering applications, the TT has the power and speed to crunch numbers and enhance your performance. For graphics and desktop publishing, the TT has sophisticated video and CPU power as well as the software to fulfill the broken promises of WYSIWYG on other machines.



## Architecture

- CPU: Motorola 68030 running at 32 MHz.
- On-chip cache and MMU.
- Bus: 64-bit memory; 32-bit data; 32-bit address.
- FPU: MC68882 at 32 MHz.
- RAM: 2 MB, expandable to 26 MB.
- ROM: 512 Kbyte internal; 128 Kbyte external plug-in ROM.

## Keyboard

- Standard QWERTY keyboard format.
- Low profile, sculptured ergonomic design.
- 94 keys; 10 function keys.
- Separate numeric and cursor keypads.
- Keyboard processor to reduce CPU overhead.

## Mouse

- Supplied as standard.
- 2-button control
- High precision, nonslip ball motion sensor.
- Removable ball for easy cleaning.

## Operating System

- TOS™ operating system implemented entirely in ROM.
- Hierarchical file system with subdirectories and pathnames.
- Icon-based user interface, with self-explanatory command functions.

There's one final feature the Atari TT030 offers that no other comparable computer/workstation can match—value. With all of its standard features, there's no need to hunt for add-on cards, ports, or boards; no need to purchase high-priced proprietary peripherals. Whether as a standalone workstation or as the heart of a multi-user network, the TT has the connectivity and compatibility to fit your needs.

- Interface includes icons, multiwindowing, window resizing/repositioning/closing, and pull-down menus.
- Interface can be customized by user.

## Software

- New Desktop with enhanced features such as installing custom icons onto the desktop to represent drives, programs, or files.
- The new Control Panel desk accessory with built-in programs such as Color Setup, Sound Setup, and the Mouse Accelerator.

## Input/Output Ports

- All ports built-in.
- MIDI IN/MIDI OUT.
- Audio out: 2 x RCA jacks for left and right channels.
- Connector for color, monochrome, or high resolution monitor.
- 2 modem/RS232C serial ports.
- 1 RS232 serial port capable of split baud rates.
- 1 high-speed DMA serial port or LAN port.
- Internal A24/D16 VME card slot.
- Parallel printer port (8-bit parallel).
- External floppy disk drive port.
- External DMA port for hard disk, CD-ROM, and laser printer.
- Cartridge port (128 Kbyte capacity).
- SCSI port with Direct Memory Access (DMA).

## Graphics

- TT™ high resolution: 1280 x 960 monochrome.
- TT medium resolution: 640 x 480 16 colors.
- TT low resolution: 320 x 480 256 colors.
- ST™ high resolution: 640 x 400 2 colors; user selectable.
- ST medium resolution: 640 x 200 4 colors.
- ST low resolution: 320 x 200 16 colors.
- Color palette: 4096 colors.
- Text display: 80 column.
- Hardward horizontal and vertical scrolling on pixel basis.

## Sound and Music

- 5 programmable sound channels.
- Frequency programmable to 25 kHz.
- Stereo DMA sound engine: built-in 2-channel digital/analog converter (DAC); play back digitized samples at rates between 6 kHz and 50 kHz on 2 channels; programmable volume/tone control/balance.
- Programmable sound generator (PSG): 3 tone generators; 2 noise generators; dynamic envelope shaping; wave shaping.
- Includes Musical Instrument Digital Interface (MIDI) for connection to music synthesizers, sequencers, drum boxes, and other devices with MIDI interfaces.

## Floppy Disk Drives

- 3.5-inch, double-sided, 720 Kbyte.
- MS-DOS® format compatibility.



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## The Realms of Personal Power

Break away from the lockstep world of limited computing based on architectures created in the early 1980s. The Atari TT030™, using the MC68030 chip from Motorola™ as its CPU, redefines “user friendliness.” The TT’s extraordinary operating system has been created to work with megabytes of RAM at its disposal. While other systems boast of high speed performance, the TT™ leaves them in the dust. That’s because those other systems suffer from RAM limitations. A system with a 640K RAM limit can only accept that much data before it has to juggle storage space to make more room available. Juggling takes time. Not so on the Atari TT. It zips along with no restrictions. And when you couple that with the system’s 68882 math coprocessor, you have a 32 MHz graphics workstation that defines productivity on your terms.

## Images of Personal Power

Beyond user friendliness is user comfort. And that’s exactly what you experience with the TT’s high-speed video performance for CAD, animation, and desktop publishing. With the TT, waiting time during screen redraws is obsolete because its video subsystem is able to access up to 10 megabytes of system memory and isn’t limited by a graphics card. The TT’s total RAM capacity is expandable to 26 megabytes using 4 meg DRAM chips.

TOS™, the TT030’s operating system, featuring windows and drop down menus, makes every operation picture-book easy. You can even put often-used applications and documents right on the desktop for easy access.

To further enhance the speed of the Motorola MC68030 CPU, TOS is built into ROM. *Since 1985*, the entire ST™/MEGA series has shared the very same data format characteristics of IBM® disk drives. This means that both systems can read one another’s diskettes.

## Personal Power You Can See

For the ultimate in CAD and desktop publishing, the Atari TTM195™ monitor provides paper-white 1280 x 960 resolution on a 19-inch screen. Programs like ISD’s full-featured, lightning-fast DynaCADD™ or true WYSIWYG desktop publishing packages such as Calamus®, PageStream™ and Atari’s DeskSet™ II outperform programs that claim to be the standards. Soft-Logik’s PageStream is the POSTSCRIPT®-compatible solution for the TT030. Calamus, possibly the hottest selling desktop

package in Europe today, features high speed print for selected Linotronic® and Agfa Compu-graphic® typesetting systems.

For color desktop publishing and desktop video presentation, the TT’s analog RGB 14-inch system outperforms VGA with a multitude of resolutions ranging from 320 x 200 to 640 x 480 with 16 colors

